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	Filing Date		2006-01-27	
	First Named Inventor	lan A.	. SHIELS et al.	
	Art Unit		1654	
	Examiner Name	BRAD	DLEY, Christina	
	Attorney Docket Number	er	36672.6	

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1	ANAYA et al., "Pulmonary Involvement in Rheumatoid Arthritis," Semin. Arthritis Rheum., 24(4): 242-254, February 1995.	
2	ARUMUGAM et al., "A Small Molecule C5a Receptor Antagonist Protects Kidneys from Ischemia/Reperfusion Injury in Rats," Kidney International, 63:134-42, January 2003.	
3	ARUMUGAM et al., "Protective Effect of a New C5a Receptor Antagonist against Ischemia-Reperfusion Injury in the Rat Small Intestine," J. Surg. Res.,103:260-7, April 2002.	
4	BASKARAN et al., "Dynamics of Tissue Neutrophil Sequestration After Cutaneous Burns in Rats," J. Surg. Res., 93 (1):88-96, September 2000.	
5	BEAMES et al., "Studies on Intramolecular Alkylation. IV* The Preparation of Spirodienones from Phenolic Diazoketones" Aus. J. Chem.," 27(6):1257-68, June 1974.	
6	BENOITION et al., "Studies on Sensitivity to Racemization of Activated Residues in Couplings of N-benzyloxycarbonyldipeptides," Int. J. Pep. Prot. Res., 40(6):559-66, December 1992.	
7	BERNADELLI et al., "Section VII. Trends and Perspectives," Ann. Rep. Med. Chem., 37:257-277, October 2002.	
8	BERTRAND et al., "CCR3 Blockade as a New Therapy for Asthma," Exp. Opin. Invents. Drugs 9(1):43-52, January 2000.	
9	BODANSKY et al., "Introductions of Amine Protecting Groups," The Practice of Peptide Synthesis; 2nd, rev. ed., Springer-Verlag: Berlin, New York, June 1994.	
10	BRADY et al., "Large-Scale Synthesis of a Cyclic Hexapeptide Analogue of Somatostatin," J. Org. Chem., 52(5):764-769, March 1987.	
11	CAIN et al., "Modulation of Ligand Selectivity by Mutation of the First Extracellular Loop of the Human C5a Receptor," Biochem. Pharmacol., 61(12):1571-9, June 15, 2001.	

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12	CHAN et al., "Basic Procedures" in Fmoc Solid Phase Peptide Synthesis: A Practical Approach; Oxford University Press, 2000.	
13	CHENG, "Section VII. Trends and Perspectives," Annual Reports in Medicinal Chemistry, 31:337-355, February 1995.	
14	DINARELLO, "Dissociation of Transcription from Translation of Human IL-1B: Induction of Steady State mRNA by Adherence or Recombinant C5a in the Absence of Translation," Soc. Exp. Biol. Med., 200:228-232, June 1992.	
15	DIOP et al. "Pregabalin (CI-1008) Inhibits the Trinitrobenzene Sulfonic Acid-Induced Chronic Colonic Allodynia in the Rat," J. Pharmacol. Exp. Ther., http://jpet.aspetjournals.org, 302(3):1013-1022, September 2002.	
16	FIELDS et al, "Solid Phase Peptide Synthesis Utilizing 9-fluorenylmethoxycarbonyl Amino Acids," Int. J. Pept. Prot. Res., 35(3):161-214, March 1990.	
17	FUKUNAGA et al., "A Novel Diamino-Pyridine Derivative (IS-741) Attenuates Rat lieitis Induced by Trinitrobenzene Sulfonic Acid," J. Gastroenterology, Springer-Verlag; 38(5):451-9, May 2003.	
18	GALATIS, P., "Section VII. Trends and Perspectives," Annu. Rep. Med. Chem.," 32:305-326, 1997.	
19	GAO et al., "Recent Advances in Neurokinin Receptor Antagonists," Curr. Med. Chem., 6(5):375-388, May 1999.	
20	GAUDILLIERE et al. "Section VII. Trends and Perspectives," Annu. Rep. Med. Chem.," 36:293-318, 2001.	
21	GAUDILLIERE et al., "Section VII. Trends and Perspectives," Annu. Rep. Med. Chem., 35:331-356, 2000.	
22	HARKIN et al., "Complement C5a Receptor Antagonist Attenuates Multiple Organ Injury in a Model of Ruptured Abdominal Aortic Aneurysm," J. Vasc. Surg., 39(1):196-206, January 2004.	

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23	HAYNES et al., "Inhibition of C5a-Induced Neutrophil Chemotaxis and Macrophage Cytokine Production In Vitro by a New C5a Receptor Antagonist," Biochem. Pharmacol., Australia, 60(5):729-33, September 1, 2000.	
24	HELLER et al., "Selection of a C5a Receptor Antagonist from Phage Libraries Attenuating the Inflammatory Response in Immune Complex Disease and Ischemia-Reperfusion Injury," J. Immunol. 163(2):985-94, July 15, 1999.	
25	IKEDA et al., "Simvastatin Attenuates Trinitrobenzene Sulfonic Acid-Induced Colitis, But Not Oxazalone-Induced Colitis, Dig. Dis. Sci., 53(7):1869-75, January 2008.	
26	JOHNSON et al.,"Heterotrimeric G Protein Signalling: Role in Asthma and Allergic Inflammation" J. Allergy Clin. Immunol., 109(4):592-602, April 2002.	
27	MAKRIDES, "Therapeutic Inhibition of the Complement System," Pharmacol. Rev., 50(1):59-87, March 1998.	
28	MORIKIS et al., "Structural Aspects and Design of Low-Molecular-Mass Complement Inhibitors," Biochem. Soc. Trans., 30(Pt. 6):1026-36, November 2002.	
29	MORRIS et al.,"Hapten-Induced Model of Chronic Inflammation and Ulceration in the Rat Colon," Gastroenterology, 96(3):795-803, March 1989.	
30	OWEN et al., "Chemokine Receptors in Airway Disease: Which Receptor to Target?," Pulmonary Pharmacology and Therapeutics, 14(3):193-202, June 2001.	
31	PACKOWSKI et al., "Pharmacological Characterization of Antagonists of the C5a Receptor," Brit. J. Pharmacol., 128(7):1461-66, December 1999.	
32	PICCOLO et al., "Chemoctactic Mediator Requirements in Lung Injury Following Skin Burns in Rats," Exp. Molec. Pathol., 66(3):220-226, August 1999.	
33	REID et al., "A Convergent Solution-Phase Syntheis of the Macrocycle Ac-Phe-[Orn-Pro-D-Cha_Trp-Arg], A Potent New Antiinflammatory Drug," J. Org Chem., 68(11):4464-4471, May 30, 2003.	

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34	ROSCHMANN et al., "Pulmonary Fibrosis in Rheumatoid Arthritis: A Review of Clinical Features and Therapy," Semin. Arthritis Rheum., 16(3):174-185, February 1987.	
35	SCHMID et al., "Requirement for C5a In Lung Vascular Injury Following Thermal Trauma to Rat Skin," Shock, 8(2):119-124, March 31, 1997.	
36	SCHUDA et al., "A Short and Efficient Synthesis of (3S, 4S)-4-[(tert-Butyloxcarbonyl)amino]-5-cyclohexyl-3-hydroxypentanoic Acid Ethyl Ester," J. Org. Chem., 53:873-875, February 15, 1988.	
37	SHORT et al., "Effects of New C5a Receptor Antagonist on C5a- and Endotoxin-Induced Neutropenia in the Rat," Br. J. Pharmacol, 126(3):551-4, February 1999.	
38	SMITH, Organic Synthesis, "Linear vs. Convergent Synthesis," 997-999.	
39	STEINAUER et al., "Studies on Racemizatino Associated with the Use of Benzotriazol-1-yl-tris (dimethylamino) Phosphonium Hexafluorophosphate (BOP)," Int. J. Pept. Protein Res., 34(4):295-8, October 1989.	
40	STEWART, "Current Therapy for Acromegaly," Trends Endocrinol. Metab., 11(4):128-132, May-June 2000.	
41	STRACHAN et al., "Inhibition of Immune-Complex Mediated Dermal Inflammation in Rats Following Either Oral or Topical Administration of a Small Molecule C5a Receptor Antagonist," British J. Pharmacol.,134(8):1778-86, December 2001.	
42	STRIETER et al., "Effects of Interferon-1b on Biomarker Expression in Patients with Idiopathic Pulmonary Fibrosis," Am. J. Resp. Crit. Care, 170(2): 133-140, March 24, 2004.	
43	SZEBENI et al., "Complement Activation During Hemorrhagic Shock and Resuscitation in Swine," Shock, 20(4):347-355, October 20, 2003.	
44	TAYLOR et al., "Regulators of the Anaphylatoxin C5a", Exp. Opin. Ther. Patents, 10(4):449-458, April 2000.	

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	45	TOULOUSE et al., "Role of Tachykinin NK2 receptors in Normal and Altered Rectal Sensitivity in Rats," Brit. J. Pharmacol.,129(1):193-199, January 2000.						
	46	VAN	ASSCHE, "Emerging Drugs to Treat Crohn's Disease," Exp. Opin. Emerg. Drugs,	12(1):49-59, March 2007.				
	47	WONG et al., "Small Molecular Probes for G-Protein-Coupled C5a Receptors: Conformationally Constrained Antagonists Derived from the C Terminus of the Human Plasma Protein C5a," J. Med. Chem., Australia, 41(18):3417-25, August 27,1998.						
	48	WOODRUFF et al., "Species Dependence for Binding of Small Molecule Agonist and Antagonists to the C5a Receptor on Polymorphonuclear Leukocytes," Inflammation, 25(3):171-7, June 2001.						
	49	MITA et al., "Levels of Cysteinyl Leukotriene Receptor niRNA in Human Peripheral Leucocytes: Significantly Higher Expression of Cysteinyl Leukotriene Receptor 2mRNA in Eosinophils," Clin. Exp. Allergy, 31(11):1714-1723, November 2001.						
	50	PICCOLO et al., "Role of Chemomatic factors in Neutrophil Activation After Thermal Injury in Rats," Inflammation, 23(4):371-385, August 1999.						
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